

Project Audit



Project:
DiversiFi

March 25, 2022



Overview

This audit has been prepared for **DiversiFi** to review the main aspects of the project to help investors make an informative decision in the research process.

You will find a summarized review of the following main key point::

- Contract's source code
- Project and team
- Website
- Social media & online presence

NOTE: We ONLY consider a project safe if they receive our "Certificate of Trust" NFT. This report only points out any potential red flags found in our analysis. Always do your own research before investing in a project.

Smart Contract Review

The contract review process pays special attention to the following:

- Testing the smart contracts against both common and uncommon vulnerabilities
- Assessing the codebase to ensure compliance with current best practices and industry standards.
- Ensuring contract logic meets the specifications and intentions of the client.
- Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- Thorough line-by-line manual review of the entire codebase by industry experts.



"The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal"
– SpyWolf Team

Smart Contract Summary

Contract Name	DiversiFiBlue
Ticker	DVFB
Contract	0xc50F00779559b2E13Dee314530cC387CC5dD85ae
Network	Binance smart chain
Language	Solidity
Tax	Buy: 14% Sell: 14%
Total Supply	100,000,000,000
Status	Not launched yet

Current stats

Burn	No tokens burned
LP Address	Liquidity not added yet
Liquidity	Liquidity not added yet
MaxTxAmount	17,500,000,000

Smart Contract Statistics

Transfer Count	47
Uniq Senders	6
Uniq Receivers	44
Total Amount	442492533295 DVFB
Median Transfer Amount	500000000 DVFB
Average Transfer Amount	9414734750 DVFB
First transfer date	2022-03-22
Last transfer date	2022-03-23
Days tokens Transfer	2

Issues Checking Status	
Design Logic	Passed ✓
Compiler warnings.	Passed ✓
Private user data leaks	Passed ✓
Timestamp dependence	Passed ✓
Integer Overflow and Underflow	Passed ✓
Race conditions and Reentrancy. Cross-function race conditions	Passed ✓
Possible delays in data delivery	Passed ✓
Oracle calls	Passed ✓
Front running	Passed ✓
DoS with Revert	Passed ✓
DoS with block gas limit	Passed ✓
Methods execution permissions	Passed ✓
Economy model	Passed ✓
The impact of the exchange rate on the logic	Passed ✓
Malicious Event log	Passed ✓
Scoping and Declarations	Passed ✓
Uninitialized storage pointers	Passed ✓
Arithmetic accuracy	Passed ✓
Cross-function race conditions	Passed ✓
Safe Zeppelin module	Passed ✓
Fallback function security	Passed ✓

Featured Wallets

Owner address	0x8961500BCa51A164216a7233C35455082Cc7f5A0
Liquidity wallet	0x01E82FdEc51a232fA4652B0B2E1d6F1bA5b78e35
Marketing wallet	0xBAde66a37cd2Bd9C18737da9e16971Aa58661c8C
LP token address	No liquidity added yet

Top 3 Unlocked Wallets

Wallet 1 (15%)	0x91b624b814b6a5abc8b23402088477275a3391f7
Wallet 2 (10%)	Same as owner
Wallet 3 (0.5%)	0x1fb2bf1a30be4658b09994a214cc1d144b812598

Security Threats

! Owner can set buy/sell fees up to 30%

```
function setBaseFeesOnBuy(uint256 _liquidityFeeOnBuy, uint256 _marketingFeeOnBuy, uint256 _holdersFeeOnBuy) external onlyOwner {
    _setCustomBuyTaxPeriod(_base, _liquidityFeeOnBuy, _marketingFeeOnBuy, _holdersFeeOnBuy);
    emit FeeChange('baseFees-Buy', _liquidityFeeOnBuy, _marketingFeeOnBuy, _holdersFeeOnBuy);
}

function setBaseFeesOnSell(uint256 _liquidityFeeOnSell, uint256 _marketingFeeOnSell, uint256 _holdersFeeOnSell) external onlyOwner {
    _setCustomSellTaxPeriod(_base, _liquidityFeeOnSell, _marketingFeeOnSell, _holdersFeeOnSell);
    emit FeeChange('baseFees-Sell', _liquidityFeeOnSell, _marketingFeeOnSell, _holdersFeeOnSell);
}

function setLaunch2FeesOnBuy(uint256 _liquidityFeeOnBuy, uint256 _marketingFeeOnBuy, uint256 _holdersFeeOnBuy) external onlyOwner {
    _setCustomBuyTaxPeriod(_launch2, _liquidityFeeOnBuy, _marketingFeeOnBuy, _holdersFeeOnBuy);
    emit FeeChange('launch2Fees-Buy', _liquidityFeeOnBuy, _marketingFeeOnBuy, _holdersFeeOnBuy);
}

function setLaunch2FeesOnSell(uint256 _liquidityFeeOnSell, uint256 _marketingFeeOnSell, uint256 _holdersFeeOnSell) external onlyOwner {
    _setCustomSellTaxPeriod(_launch2, _liquidityFeeOnSell, _marketingFeeOnSell, _holdersFeeOnSell);
    emit FeeChange('launch2Fees-Sell', _liquidityFeeOnSell, _marketingFeeOnSell, _holdersFeeOnSell);
}

function setLaunch3FeesOnBuy(uint256 _liquidityFeeOnBuy, uint256 _marketingFeeOnBuy, uint256 _holdersFeeOnBuy) external onlyOwner {
    _setCustomBuyTaxPeriod(_launch3, _liquidityFeeOnBuy, _marketingFeeOnBuy, _holdersFeeOnBuy);
    emit FeeChange('launch3Fees-Buy', _liquidityFeeOnBuy, _marketingFeeOnBuy, _holdersFeeOnBuy);
}

function setLaunch3FeesOnSell(uint256 _liquidityFeeOnSell, uint256 _marketingFeeOnSell, uint256 _holdersFeeOnSell) external onlyOwner {
    _setCustomSellTaxPeriod(_launch3, _liquidityFeeOnSell, _marketingFeeOnSell, _holdersFeeOnSell);
    emit FeeChange('launch3Fees-Sell', _liquidityFeeOnSell, _marketingFeeOnSell, _holdersFeeOnSell);
}

function setDiversifiHour1BuyFees(uint256 _liquidityFeeOnBuy, uint256 _marketingFeeOnBuy, uint256 _holdersFeeOnBuy) external onlyOwner {
    _setCustomBuyTaxPeriod(_diversifi1, _liquidityFeeOnBuy, _marketingFeeOnBuy, _holdersFeeOnBuy);
    emit FeeChange('diversifi1Fees-Buy', _liquidityFeeOnBuy, _marketingFeeOnBuy, _holdersFeeOnBuy);
}

function setDiversifiHour1SellFees(uint256 _liquidityFeeOnSell, uint256 _marketingFeeOnSell, uint256 _holdersFeeOnSell) external onlyOwner {
    _setCustomSellTaxPeriod(_diversifi1, _liquidityFeeOnSell, _marketingFeeOnSell, _holdersFeeOnSell);
    emit FeeChange('diversifi1Fees-Sell', _liquidityFeeOnSell, _marketingFeeOnSell, _holdersFeeOnSell);
}

function setDiversifiHour2BuyFees(uint256 _liquidityFeeOnBuy, uint256 _marketingFeeOnBuy, uint256 _holdersFeeOnBuy) external onlyOwner {
    _setCustomBuyTaxPeriod(_diversifi2, _liquidityFeeOnBuy, _marketingFeeOnBuy, _holdersFeeOnBuy);
    emit FeeChange('diversifi2Fees-Buy', _liquidityFeeOnBuy, _marketingFeeOnBuy, _holdersFeeOnBuy);
}

function setDiversifiHour2SellFees(uint256 _liquidityFeeOnSell, uint256 _marketingFeeOnSell, uint256 _holdersFeeOnSell) external onlyOwner {
    _setCustomSellTaxPeriod(_diversifi2, _liquidityFeeOnSell, _marketingFeeOnSell, _holdersFeeOnSell);
    emit FeeChange('diversifi2Fees-Sell', _liquidityFeeOnSell, _marketingFeeOnSell, _holdersFeeOnSell);
}
```


Security Threats

⚠️ Owner can change max transaction amount, making it impossible to sell if set to 0.

```
function setMaxTransactionAmount(uint256 newValue) external onlyOwner {
    require(newValue != maxTxAmount, "Diversifi: Cannot update maxTxAmount to same value");
    emit MaxTransactionAmountChange(newValue, maxTxAmount);
    maxTxAmount = newValue;
}
```

⚠️ Owner can blacklist address from trading, making it impossible to sell. This function is available only for 24 hours after `_isLaunched` state is changed.

```
uint256 private constant _blockedTimeLimit = 86400;

function blockAccount(address account) external onlyOwner {
    uint256 currentTimeStamp = _getNow();
    require(!_isBlocked[account], "Diversifi: Account is already blocked");
    if (_isLaunched) {
        require((currentTimeStamp - _launchStartTimestamp) < _blockedTimeLimit,
            "Diversifi: Time to block accounts has expired");
    }
    _isBlocked[account] = true;
    emit BlockedAccountChange(account, true);
}
```

⚠️ Owner can disable trading, making it impossible to sell.

```
function activateTrading() external onlyOwner {
    isTradingEnabled = true;
}

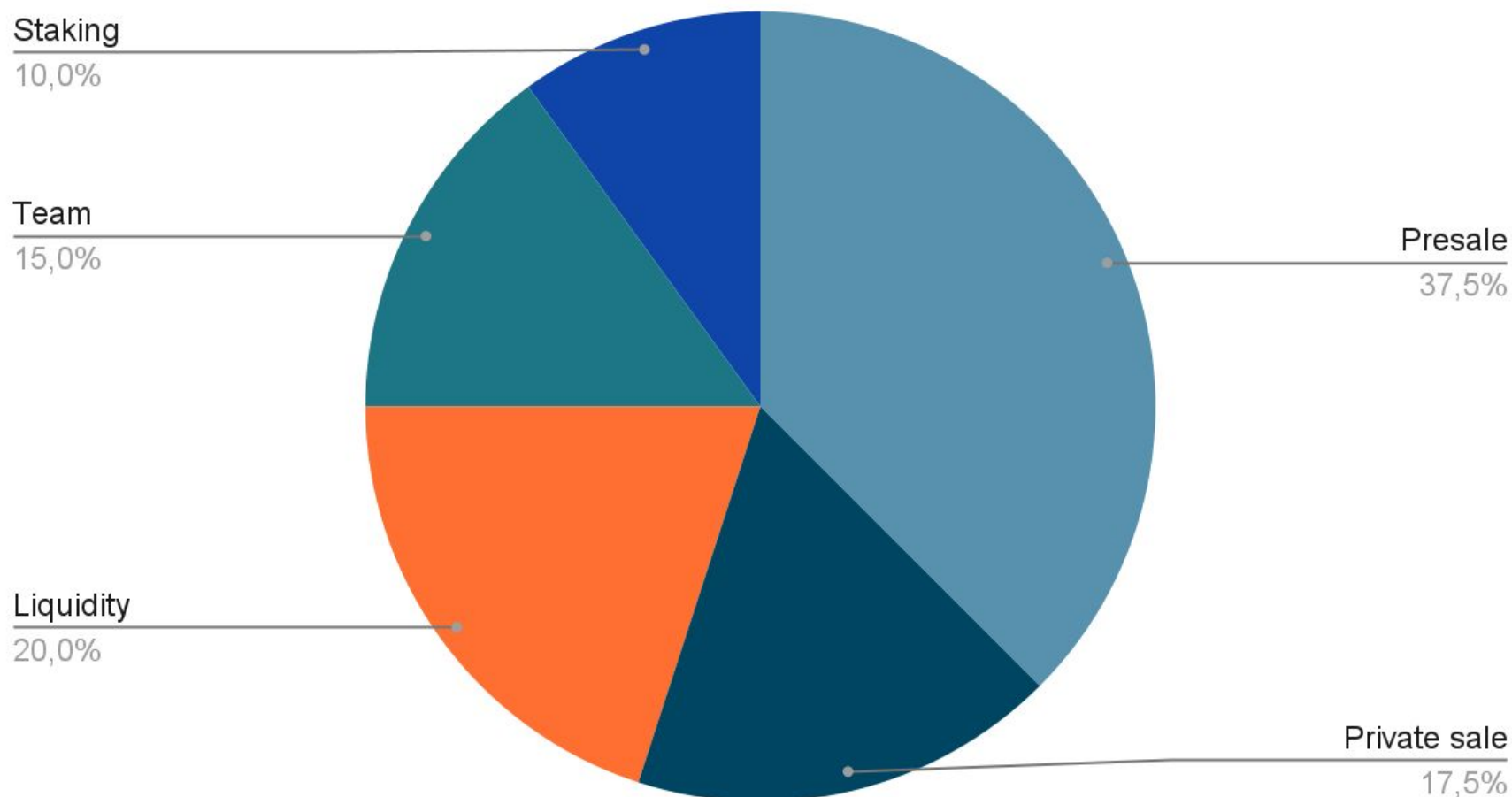
function deactivateTrading() external onlyOwner {
    isTradingEnabled = false;
    _tradingPausedTimestamp = _getNow();
}
```

Tokenomics

According to their whitepaper

- Presale 37.5%
- Private sale 17.5%
- Liquidity 20%
- Team 15%
- Staking 10%

Tokens distribution



DiversiFi Project & Team Review

According to their whitepaper, DiversiFi will be token rewarding system which will rotate the reward tokens every 6 hours. Holders of \$DVFB can benefit from the rewarding system, receiving their rewards in 'blue chip' coins like BTC, ETH, AVAX, MATIC and DOT.

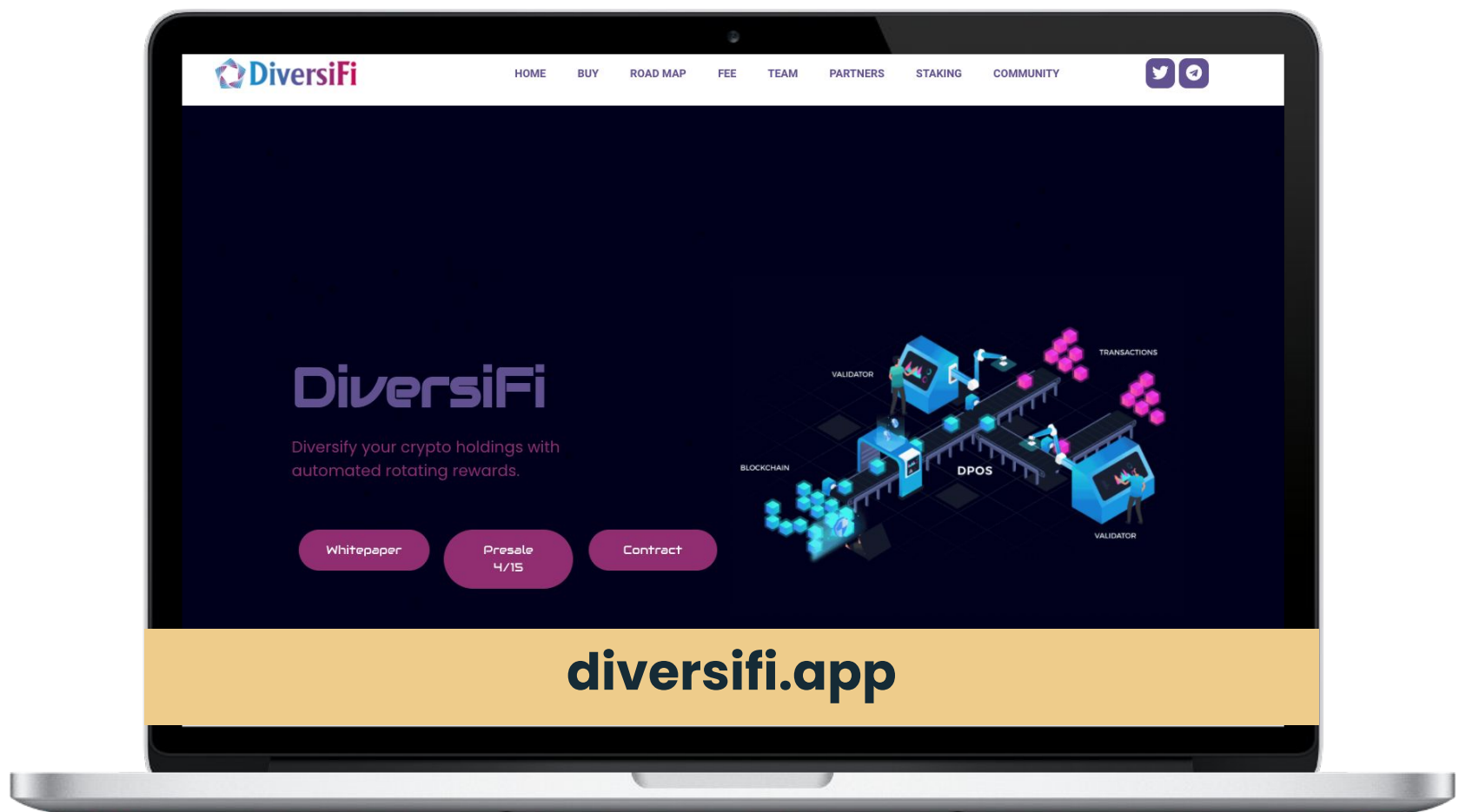
Team:

KYC by Cookiesale

Website Analysis

URL: <https://diversifi.app>

- **Design:** Nice color scheme, template design, single page.
- **Content:** Not well written and not very informative. Some parts of the content are copied 1:1 from another website. ⚠️
- **Whitepaper:** Explanatory, little bit short, no grammar mistakes.
- **Roadmap:** Goals set at 4 phases without time frames.
- **Mobile-friendly?** Yes, but part of the header element is with wrong positioning, causing it to cover big part of screen. ⚠️
- **Technical:** SSL certificate present. General SEO check passed.



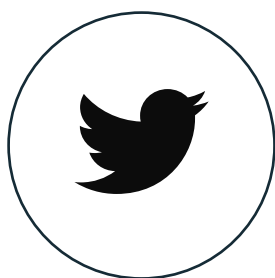
Social Media & Online Presence



Telegram

<https://t.me/diversifiapp>

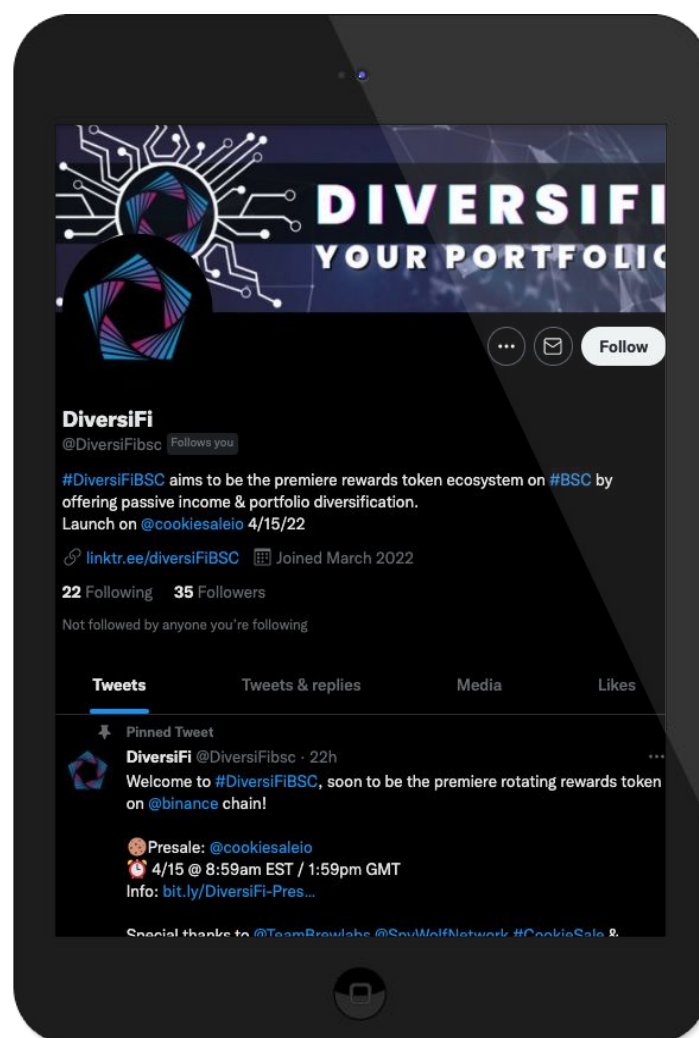
- 82 Members
- Active members
- Active mods



Twitter

<https://twitter.com/DiversiFibsc>

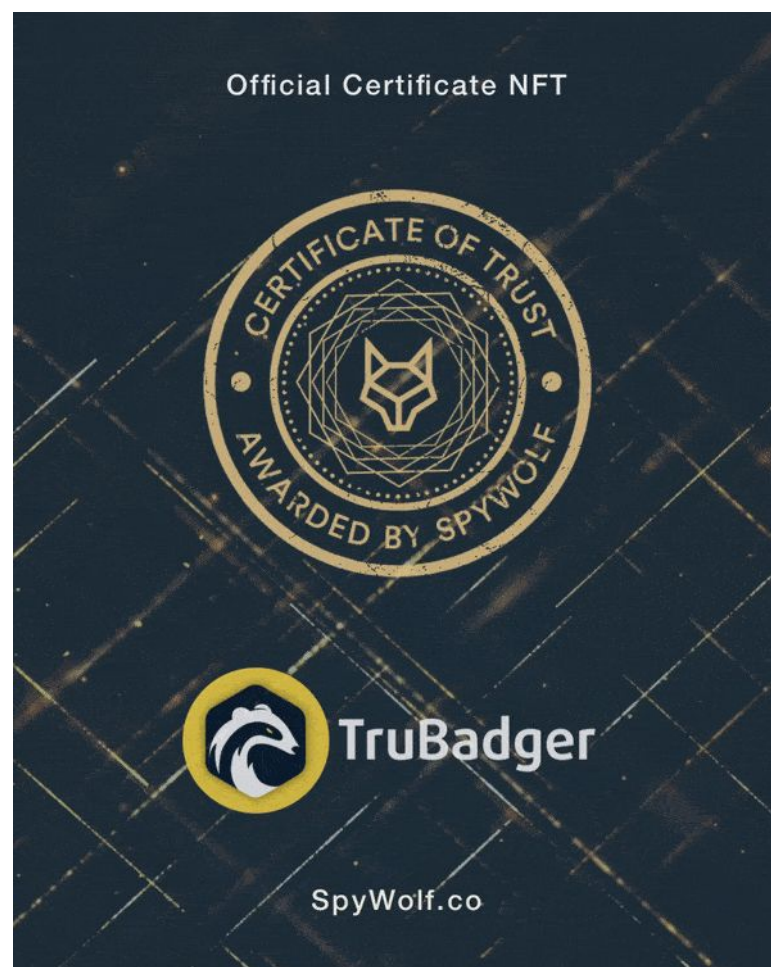
- 37 Followers
- Active
- First post March 24th 2022 ⚠️



About SpyWolf

SpyWolf is a team of crypto security experts that have been performing full audits for projects for the past months in order to ensure safety on the crypto space. Our goal is to help eliminate monetary fraud through our auditing services and utility token, \$SPY.

- Website: SpyWolf.co
- Portal: SpyWolf.network
- Telegram: [@SpyWolfNetwork](https://t.me/SpyWolfNetwork)
- Twitter: [Twitter.com/SpyWolfNetwork](https://twitter.com/SpyWolfNetwork)



(Sample Certificate NFT for those who pass audit)

If you are interested in finding out more about our audits and Certificate of Trust NFTs, reach out to contact@spywolf.co.

Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.